



Strand Associates, Inc.®

Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202
(P) 502-583-7020
(F) 502-583-7026

June 29, 2017

Mr. Wayne L. Davis
Kentucky Department of Fish and Wildlife Service
#1 Sportsman's Lane
Frankfort, KY 40601

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request

Dear Mr. Davis:

Strand Associates, Inc.® and McGhee Engineering, Inc. are assisting the City of Auburn with preparation of the Auburn Regional Wastewater Facility Plan. The plan recommends construction projects to update and expand the wastewater treatment plant, install new gravity sewer and a new pump station and replace two existing pump stations over the next 20-year time horizon. The recommended improvements are shown on Figures 1.03-1 and 1.03-2, attached to this letter.

The proposed Wastewater Treatment Plant (WWTP) improvements include a new headworks station, Carrousel oxidation ditches and final clarification, and peracetic acid disinfection. These modifications would allow the Auburn WWTP to expand its current average daily flow from 0.35 mgd to 0.4 mgd. The City plans to make improvements to the current WWTP as well. These improvements include a new solids handling system, conversion of the existing aeration basin into the equalization tank, and an influent pump station.

We are not aware of any local fish and wildlife resources that would be impacted by the proposed projects. Most construction activities will occur on the existing wastewater treatment plant site, adjacent to existing infrastructure on previously disturbed lands, or on land adjacent to existing structures or the proposed WWTP location.

Please review the proposed projects and reply with any concerns over local fish and wildlife resources that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

Sincerely,

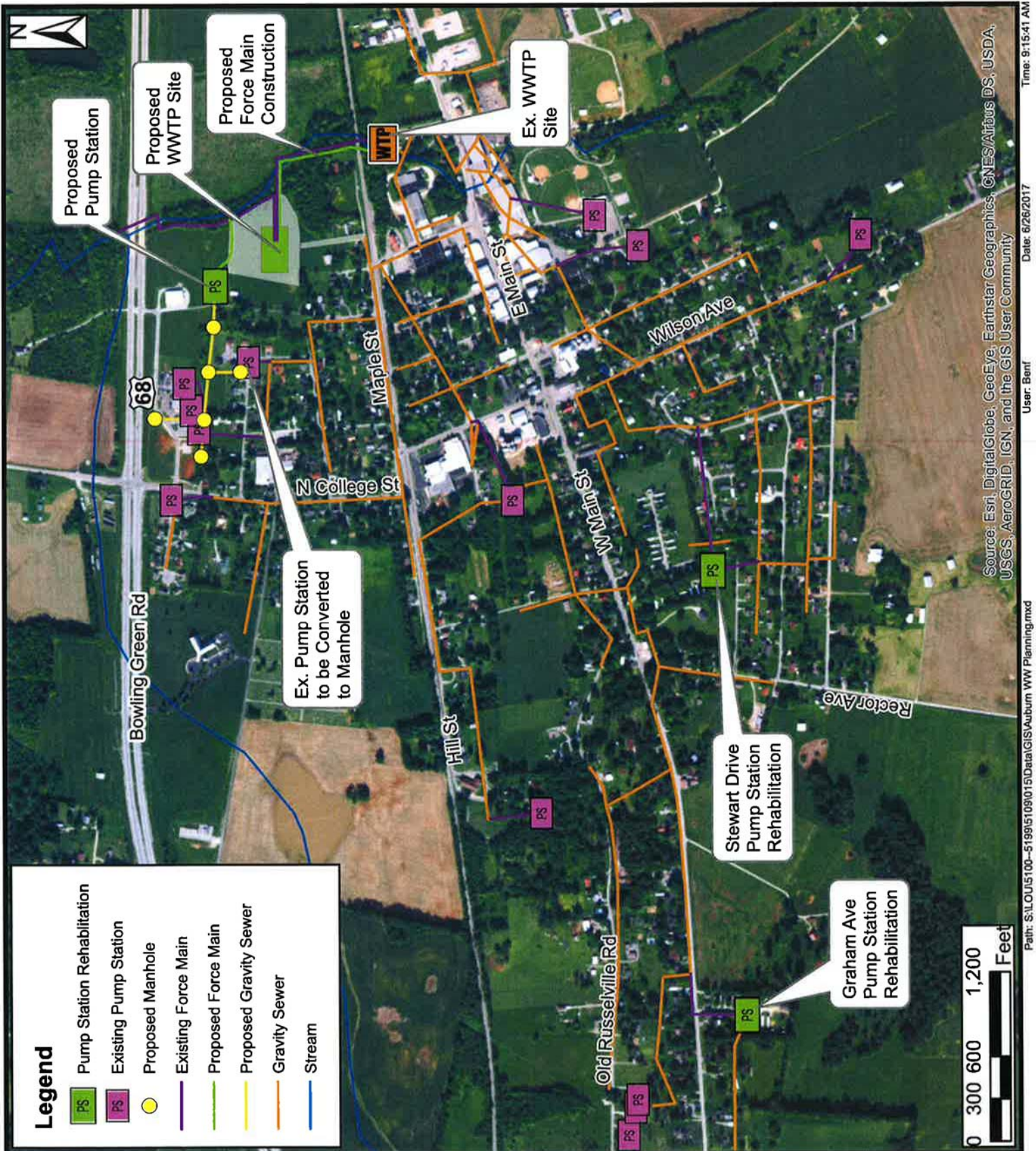
STRAND ASSOCIATES, INC.®

Mark A. Sneve, P.E.

Enclosures: Figure 1.03-1 – Auburn Wastewater Facilities Plan, Overview of Recommended Plan
Figure 1.03-2 - Auburn Wastewater Facilities Plan, Overview of New WWTP in the Recommended Plan

c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn

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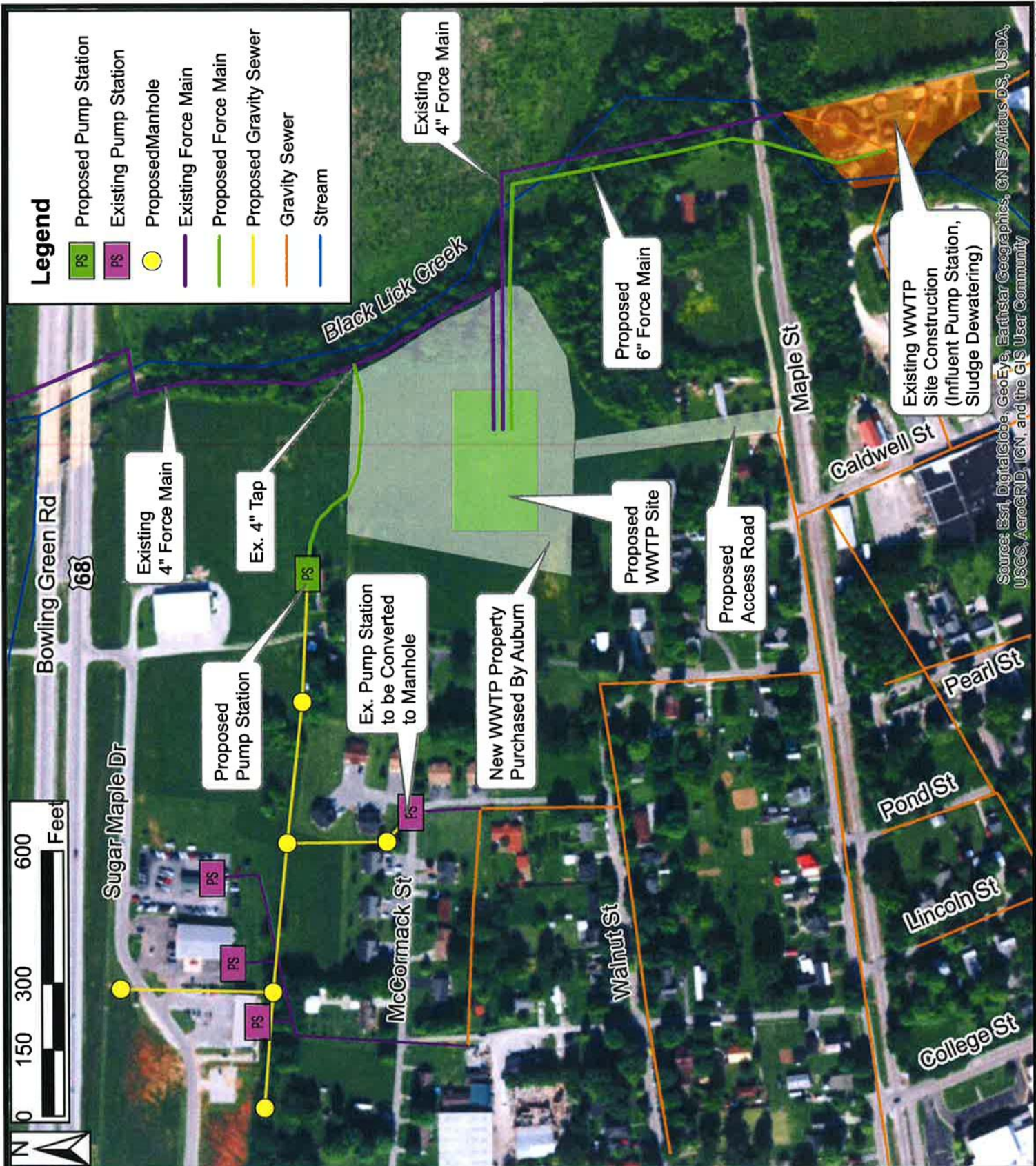


OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWT FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**



**OVERVIEW OF NEW WWTP
IN THE RECOMMENDED PLAN**

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-2
5109.015**

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Path: S:\LOUIS100-5199\5109\015\GISData\GISNew WWTP Site Planning-Landscape.mxd

Date: 6/26/2017

User: Bent

Time: 9:16:04 AM



**TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY DEPARTMENT OF FISH & WILDLIFE RESOURCES**

Matthew G. Bevin
Governor

Don Parkinson
Secretary

#1 Sportsman's Lane
Frankfort, Kentucky 40601
Phone (502) 564-3400
1-800-858-1549
Fax (502) 564-0506
fw.ky.gov

Regina Stivers
Deputy Secretary

Gregory K. Johnson
Commissioner

10 July 2017

Strand Associates, Inc.
Attn: Mark A. Sneve, P.E.
Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202

RE: City of Auburn – Wastewater Facility Plan
Agency Comment Request

Dear Mr. Sneve:

The Kentucky Department of Fish and Wildlife Resources (KDFWR) has received your request for information pertaining to the subject project. Due to the location and nature of the project, KDFWR does not anticipate impacts to federally or state-listed threatened/endangered species, critical habitats, unique natural areas, or any other sensitive habitats.

To minimize indirect impacts to the aquatic environment, the KDFWR recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed.

I hope this information is helpful to you, and if you have questions or require additional information, please call me at (502) 564-7109 extension 4453.

Sincerely,

Dan Stoelb
Environmental Scientist

Cc: Environmental Section File



JUL 14 2017



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June 29, 2017

Ms. Jessica Blackwood Miller
United States Fish and Wildlife Service
Kentucky Ecological Services Field Office
330 West Broadway, Suite 265
Frankfort, KY 40601

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request

Dear Ms. Miller:

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We are not aware of any threatened or endangered species that would be impacted by the proposed projects. Most construction activities will occur on the existing wastewater treatment plant site, adjacent to existing infrastructure on previously disturbed lands, or on land adjacent to existing structures or the proposed WWTP location.

Please review the proposed projects and reply with any concerns over threatened or endangered species that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

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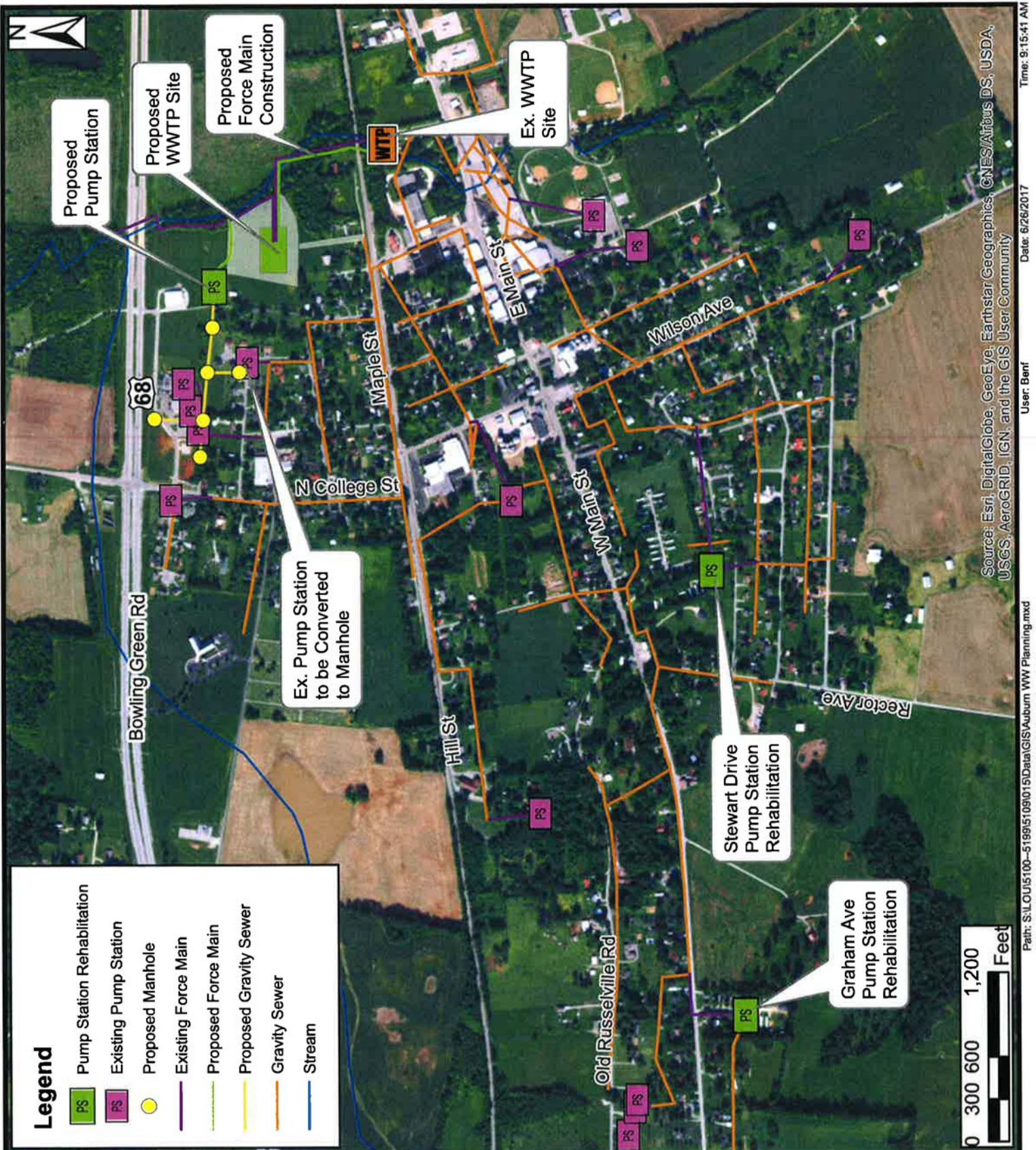
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c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn

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OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**

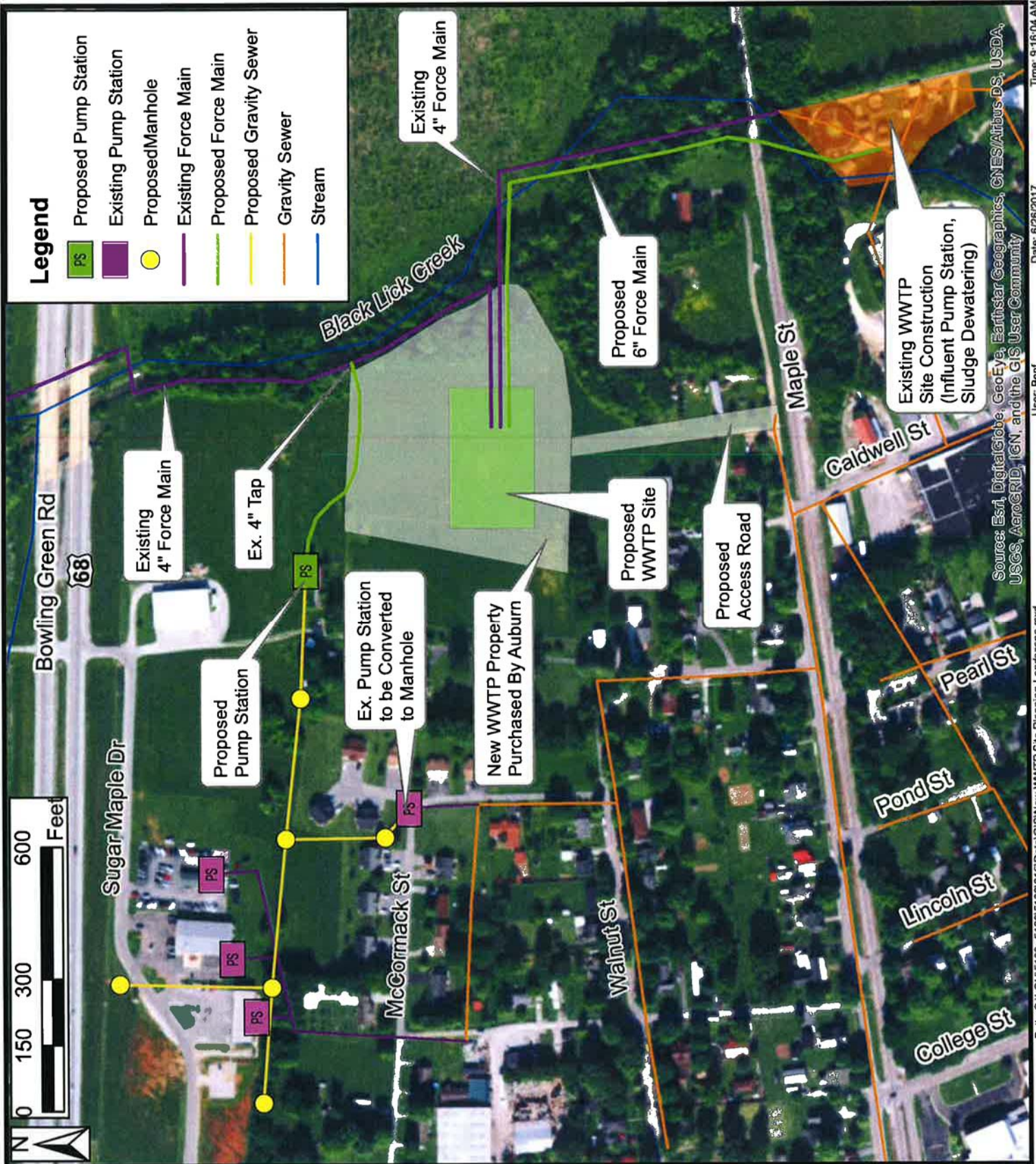
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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User: Bart

Date: 6/26/2017

Time: 9:15:41 AM



OVERVIEW OF NEW WWTP IN THE RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-2
5109.015**



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office

330 West Broadway, Suite 265

Frankfort, Kentucky 40601

(502) 695-0468

JUL 10 2017

June 12, 2017

Dear Project Proponent:

We have received your request for a species list for your project. The Kentucky Field Office (KFO) is directing project proponents to obtain species lists from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) system located at: <https://ecos.fws.gov/ipac/>. IPaC will immediately provide you with a current species list appropriate for your proposed project and an official letter on USFWS letterhead. This list will include species currently listed as threatened or endangered, species proposed for listing, critical habitat for listed species, and bird species of conservation concern.

When you open the IPaC site, you will be asked to input a location for your proposed project. The location can be input in different ways. Often, the easiest way is to zoom into the vicinity of the project area on the map and use the sketch tool to approximate the boundaries of the proposed project site, plus an appropriate buffer. This location that you input should represent the entire "action area" of your proposed project by considering all the potential "effects of the action," including potential direct, indirect, and cumulative effects to federally-listed species or their critical habitat as defined in 50 CFR 402.02. This includes effects of any "interrelated actions" that are part of a larger action and depend on the larger action for their justification and "interdependent actions" that have no independent utility apart from the action under consideration (e.g.; utilities, access roads, etc.) and future actions that are reasonably certain to occur as a result of the proposed project (e.g.; development in response to a new road).

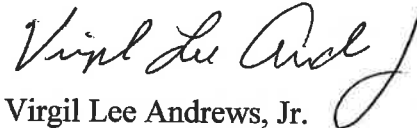
IPaC will generate a species list specific to the action area of the proposed project, as you defined it. You can then request an official species list under the "Regulatory Documents" tab. This species list fulfills the requirements of the USFWS under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.) to provide information as to whether any proposed or listed species may be present in the area of a proposed action. The letter generated by IPaC will explain how to request an updated list or a revised list based on project modifications.

The official species list is not a concurrence letter; additional coordination with the KFO may be necessary to ensure ESA compliance. Please read the letter that accompanies the species list for further direction as to how to request technical assistance or section 7 consultation from the KFO. Please include the consultation tracking number on the IPaC-generated letter (e.g., 04EK1000-####-SLI-####) at the top of your future correspondences with the KFO. The KFO

will be able to retrieve the information that you input into IPaC; there is no need to include a printed copy of your IPaC-generated letter or species list with your correspondence.

Thank you for your request. Your concern for the protection of endangered and threatened species is greatly appreciated. If you have any questions or problems obtaining a species list from IPaC, please contact Jessica Blackwood Miller at (502) 695-0468 extension 104 or jessica_miller@fws.gov.

Sincerely,

A handwritten signature in black ink, reading "Virgil Lee Andrews, Jr." with a stylized flourish at the end.

Virgil Lee Andrews, Jr.
Field Supervisor



RECEIVED
JUL - 3 2017
USFWS KYFO

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United States Fish and Wildlife Service
Kentucky Ecological Services Field Office
330 West Broadway, Suite 265
Frankfort, KY 40601

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Please review the proposed projects and reply with any concerns over threatened or endangered species that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

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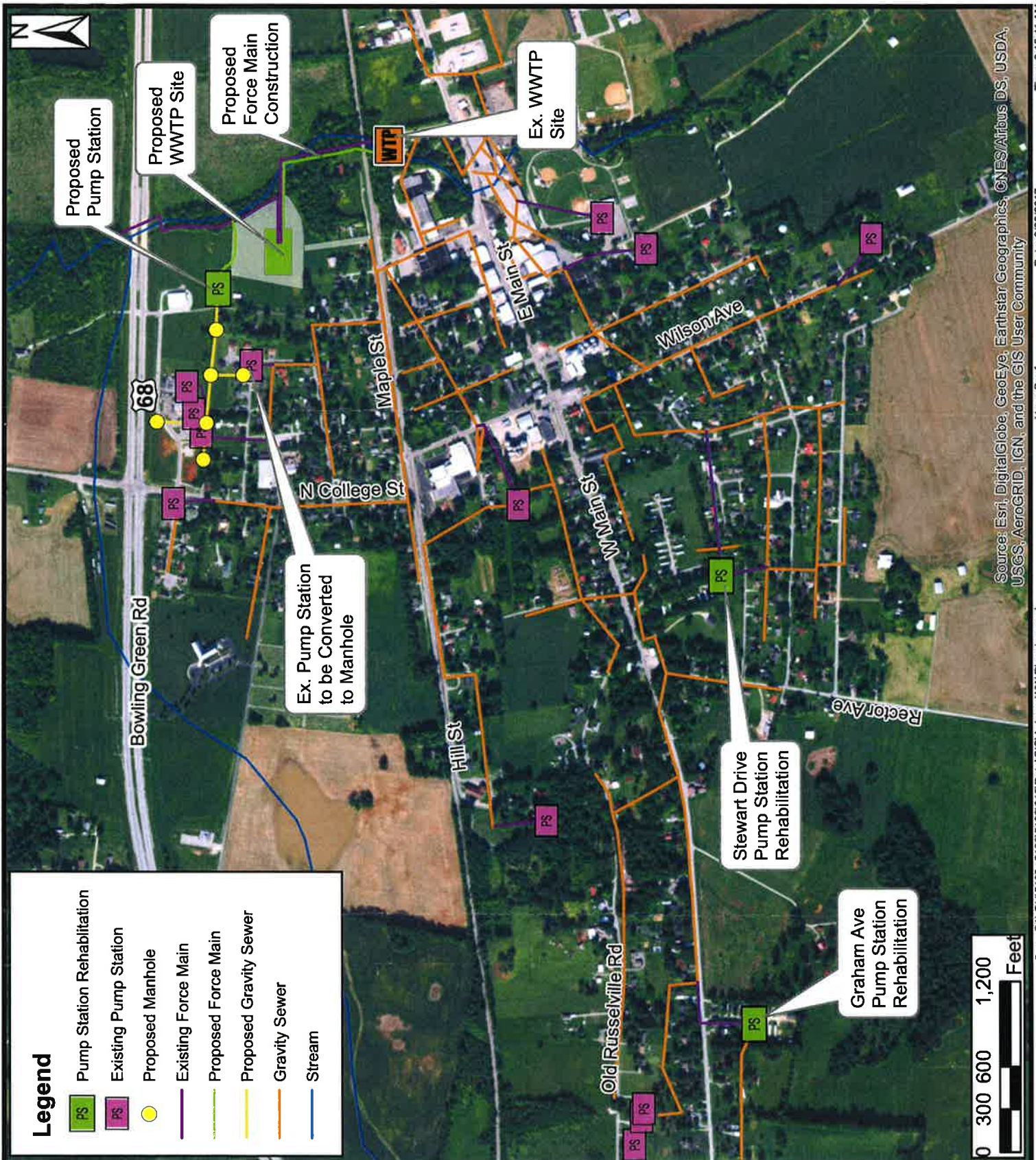
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Mark A. Sneve, P.E.

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Figure 1.03-2 - Auburn Wastewater Facilities Plan, Overview of New WWTP in the
Recommended Plan

c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn

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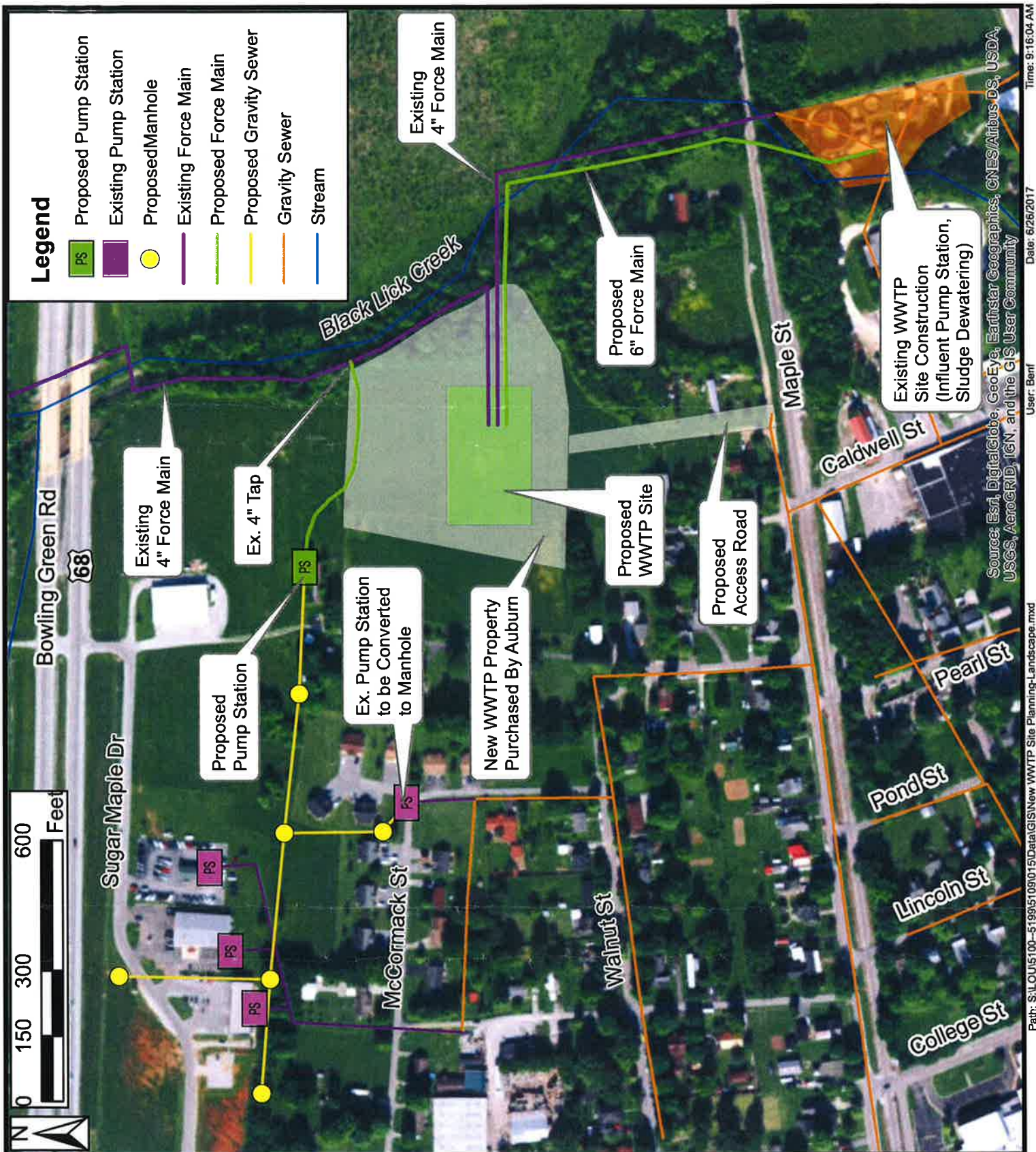


OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTW FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**



OVERVIEW OF NEW WWTP IN THE RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-2
5109.015**



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Kentucky Ecological Services Field Office
J C Watts Federal Building, Room 265
330 West Broadway
Frankfort, KY 40601-8670
Phone: (502) 695-0468 Fax: (502) 695-1024
<http://www.fws.gov/frankfort/>

In Reply Refer To:

July 11, 2017

Consultation Code: 04EK1000-2017-SLI-0666

Event Code: 04EK1000-2017-E-02093

Project Name: Auburn, KY WWTP expansion

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

Your concern for the protection of endangered and threatened species is greatly appreciated. The purpose of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.) (ESA) is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. The species list attached to this letter fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA to provide information as to whether any proposed or listed species may be present in the area of a proposed action. This is not a concurrence letter; additional consultation with the Service may be required.

The Information in Your Species List:

The enclosed species list identifies federal trust species that may occur within the boundary that you entered into IPaC. For this list to most accurately represent the species that may potentially be affected by the proposed project, the boundary that you input into IPaC should represent the entire "action area" of the proposed project by considering all the potential "effects of the action," including potential direct, indirect, and cumulative effects, to federally-listed species or their critical habitat as defined in 50 CFR 402.02. This includes effects of any "interrelated actions" that are part of a larger action and depend on the larger action for their justification and "interdependent actions" that have no independent utility apart from the action under consideration (e.g.; utilities, access roads, etc.) and future actions that are reasonably certain to occur as a result of the proposed project (e.g.; development in response to a new road). If your project is likely to have indirect effects that extend well beyond the project footprint (e.g.;

substantial impacts to water quality), we highly recommend that you coordinate with the Service early to appropriately define your action area and ensure that you are evaluating all the species that could potentially be affected.

We must advise you that our database is a compilation of collection records made available by various individuals and resource agencies available to the Service and may not be all-inclusive. This information is seldom based on comprehensive surveys of all potential habitats and, thus, does not necessarily provide conclusive evidence that species are present or absent at a specific locality. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and associated information. To re-access your project in IPaC, go to the IPaC web site (<https://ecos.fws.gov/ipac/>), select "Need an updated species list?", and enter the consultation code on this letter.

ESA Obligations for Federal Projects:

Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

If a Federal project (a project authorized, funded, or carried out by a federal agency) may affect federally-listed species or critical habitat, the Federal agency is required to consult with the Service under section 7 of the ESA, pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). Recommended contents of a Biological Assessment are described at 50 CFR 402.12. For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat.

ESA Obligations for Non-federal Projects:

Proposed projects that do not have a federal nexus (non-federal projects) are not subject to the

obligation to consult under section 7 of the ESA. However, section 9 of the ESA prohibits certain activities that directly or indirectly affect federally-listed species. These prohibitions apply to all individuals subject to the jurisdiction of the United States. Non-federal project proponents can request technical assistance from the Service regarding recommendations on how to avoid and/or minimize impacts to listed species. The project proponent can choose to implement avoidance, minimization, and mitigation measures in a proposed project design to avoid ESA violations.

Additional Species-specific Information:

In addition to the species list, IPaC also provides general species-specific technical assistance that may be helpful when designing a project and evaluating potential impacts to species. To access this information from the IPaC site (<https://ecos.fws.gov/ipac/>), click on the text “My Projects” on the left of the black bar at the top of the screen (you will need to be logged into your account to do this). Click on the project name in the list of projects; then, click on the “Project Home” button that appears. Next, click on the “See Resources” button under the “Resources” heading. A list of species will appear on the screen. Directly above this list, on the right side, is a link that will take you to pdfs of the “Species Guidelines” available for species in your list. Alternatively, these documents and a link to the “ECOS species profile” can be accessed by clicking on an individual species in the online resource list.

Next Steps:

Requests for additional technical assistance or consultation from the Kentucky Field Office should be submitted following guidance on the following page <http://www.fws.gov/frankfort/PreDevelopment.html> and the document retrieved by clicking the “outline” link at that page. When submitting correspondence about your project to our office, please include the Consultation Tracking Number in the header of this letter. (There is no need to provide us with a copy of the IPaC-generated letter and species list.)

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Kentucky Ecological Services Field Office

J C Watts Federal Building, Room 265

330 West Broadway

Frankfort, KY 40601-8670

(502) 695-0468

Project Summary

Consultation Code: 04EK1000-2017-SLI-0666

Event Code: 04EK1000-2017-E-02093

Project Name: Auburn, KY WWTP expansion

Project Type: WASTEWATER FACILITY

Project Description: This project is an expansion of the current WWTP located in Auburn, KY. The area highlighted is the area which has been purchased by the city of Auburn. The new WWTP will be located within this area and right next to Black Lick Creek, as this is where the clean water will be discharged. Construction of this project is expected to begin at the start of 2019.

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/36.86734523640902N86.70842580611021W>



Counties: Logan, KY

Endangered Species Act Species

There is a total of 9 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Gray Bat (<i>Myotis grisescens</i>) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329	Endangered
Indiana Bat (<i>Myotis sodalis</i>) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat (<i>Myotis septentrionalis</i>) No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none">Incidental take of the northern long-eared bat at this location is excepted by the 4(d) rule and is, therefore, not prohibited under the ESA. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Clams

NAME	STATUS
<p>Fanshell (<i>Cyprogenia stegaria</i>)</p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4822</p>	Endangered
<p>Fluted Kidneyshell (<i>Ptychobranthus subtentum</i>)</p> <p>There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1397</p>	Endangered
<p>Littlewing Pearlymussel (<i>Pegias fabula</i>)</p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2572</p>	Endangered
<p>Rabbitsfoot (<i>Quadrula cylindrica cylindrica</i>)</p> <p>There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165</p>	Threatened
<p>Ring Pink (mussel) (<i>Obovaria retusa</i>)</p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4128</p>	Endangered
<p>Slabside Pearlymussel (<i>Pleuonaia dolabelloides</i>)</p> <p>There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1518</p>	Endangered

Critical habitats

There are no critical habitats within your project area.



June 29, 2017

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Mr. Craig Potts
Kentucky Heritage Council
300 Washington Street
Frankfort, KY 40601

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request

Dear Mr. Potts:

Strand Associates, Inc.® and McGhee Engineering, Inc. are assisting the City of Auburn with preparation of the Auburn Regional Wastewater Facility Plan. The plan recommends construction projects to update and expand the wastewater treatment plant, install new gravity sewer and a new pump station and replace two existing pump stations over the next 20-year time horizon. The recommended improvements are shown on Figures 1.03-1 and 1.03-2, attached to this letter.

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The Heritage Council has already reviewed the proposed WWTP site archeological investigations. Please reference your letter dated April 5, 2017 for site 15LO276 at Auburn, Logan County Kentucky and provide any feedback you might have on other proposed improvements.

We are not aware of any impacts to local historical or archeological resources as the result of the proposed projects. Most construction activities will occur on the existing wastewater treatment plant site, adjacent to existing infrastructure on previously disturbed lands, or on land adjacent to existing structures or the proposed WWTP location.

Please review the proposed projects and reply with any concerns over local historical or archeological resources that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

Sincerely,

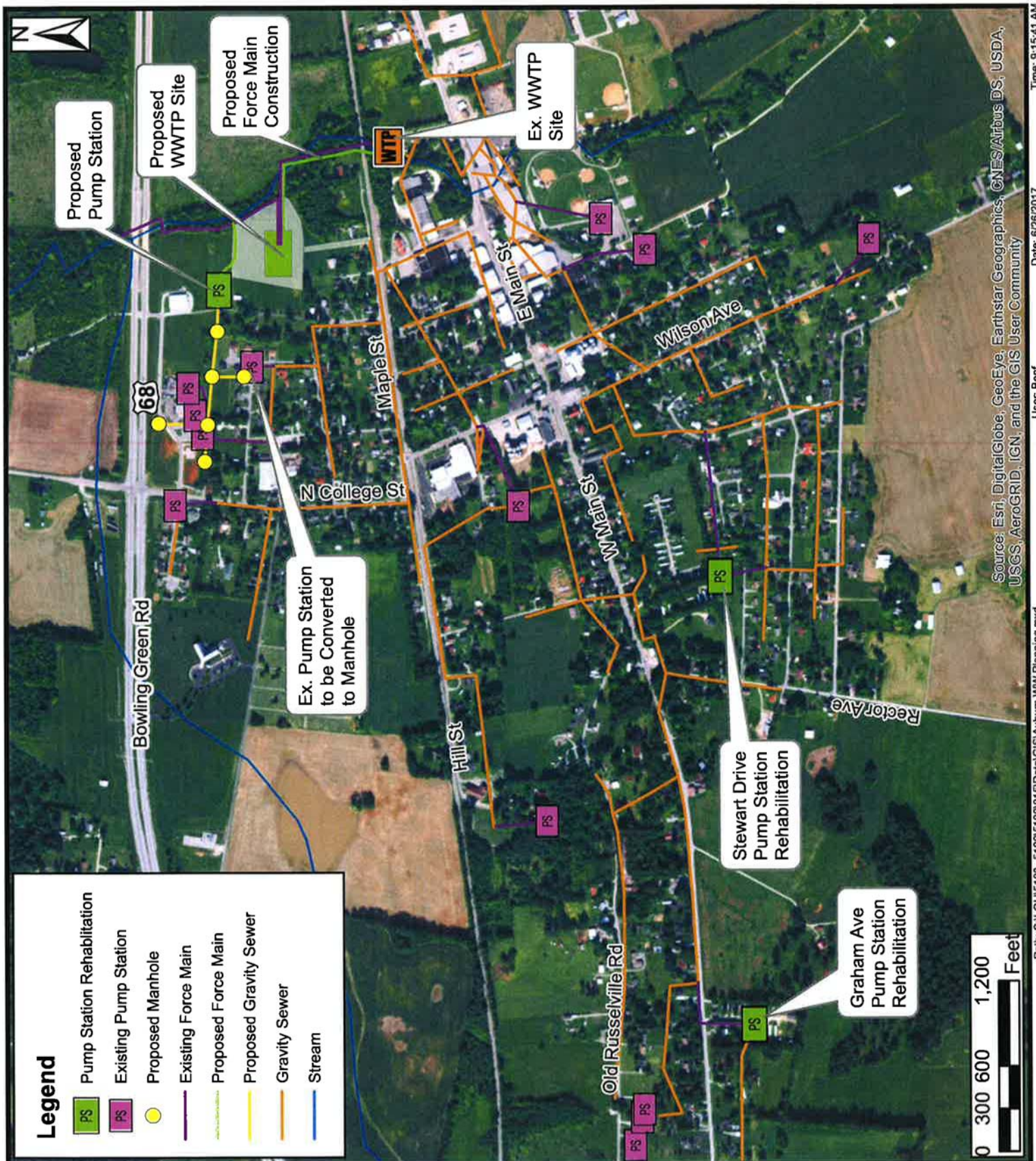
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Mark A. Sneve, P.E.

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Mayor Mike Hughes, City of Auburn

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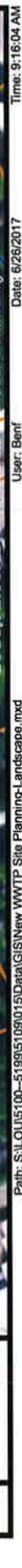


OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTW FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**





MATTHEW G. BEVIN
GOVERNOR

DON PARKINSON
SECRETARY

**TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY HERITAGE COUNCIL**

THE STATE HISTORIC PRESERVATION OFFICE

THE BARSTOW HOUSE
410 HIGH STREET
FRANKFORT, KENTUCKY 40601
PHONE (502) 564-7005
FAX (502) 564-5820
www.heritage.ky.gov
July 10, 2017

REGINA STIVERS
DEPUTY SECRETARY

CRAIG A. POTTS
EXECUTIVE DIRECTOR
& STATE HISTORIC
PRESERVATION OFFICER

Mr. Mark A. Sneve
Strand Associates
Waterfront Plaza
325 W. Main St., Ste. 710
Louisville, KY 40202

Re: **City of Auburn Wastewater Facility Plan**

Dear Mr. Sneve:

Our review indicates that the proposed project will not impact any properties or sites that are listed in or eligible for the National Register of Historic Places. The proposed project should not require an archaeological survey or cultural historic survey.

In the event that human remains are encountered during project activities, all work should be immediately stopped in the area. The area should be cordoned off, and in accordance with KRS 72.020 the county coroner and local law enforcement must be contacted immediately. Upon confirmation that the human remains are not of forensic interest, the unanticipated discovery must be reported to the Kentucky Heritage Council.

Should the project plans change, or should additional information become available regarding cultural resources or citizens' concerns regarding impacts to cultural resources, please submit that information to our office as additional consultation may be warranted. Should you have any questions, feel free to contact Nick Laracuenta of my staff at nicolas.laracuenta@ky.gov.

Sincerely,

Craig A. Potts,
Executive Director and
State Historic Preservation Officer

CP:nrl KHC # 49603

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Strand Associates, Inc.®

Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202
(P) 502-583-7020
(F) 502-583-7026

June 29, 2017

Dr. Patricia Grace-Jarrett
United States Army Corps of Engineers
Regulatory Branch, South Section, Louisville District Office
P.O. Box 59, OP-FS, Room 752
Louisville, KY 40201-0059

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request

Dear Dr. Grace-Jarrett:

Strand Associates, Inc.® and McGhee Engineering, Inc. are assisting the City of Auburn with preparation of the Auburn Regional Wastewater Facility Plan. The plan recommends construction projects to update and expand the wastewater treatment plant, install new gravity sewer and a new pump station and replace two existing pump stations over the next 20-year time horizon. The recommended improvements are shown on Figures 1.03-1 and 1.03-2, attached to this letter.

The proposed Wastewater Treatment Plant (WWTP) improvements include a new headworks station, Carrousel oxidation ditches and final clarification, and peracetic acid disinfection. These modifications would allow the Auburn WWTP to expand its current average daily flow from 0.35 mgd to 0.4 mgd. The City plans to make improvements to the current WWTP as well. These improvements include a new solids handling system, conversion of the existing aeration basin into the equalization tank, and an influent pump station.

There will be a stream crossing of Black Lick Creek as a result of the proposed projects. Most construction activities will occur on the existing wastewater treatment plant site, adjacent to existing infrastructure on previously disturbed lands, or on land adjacent to existing structures or the proposed WWTP location.

Please review the proposed projects and reply with any concerns over stream crossings or other jurisdictional interests that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

Sincerely,

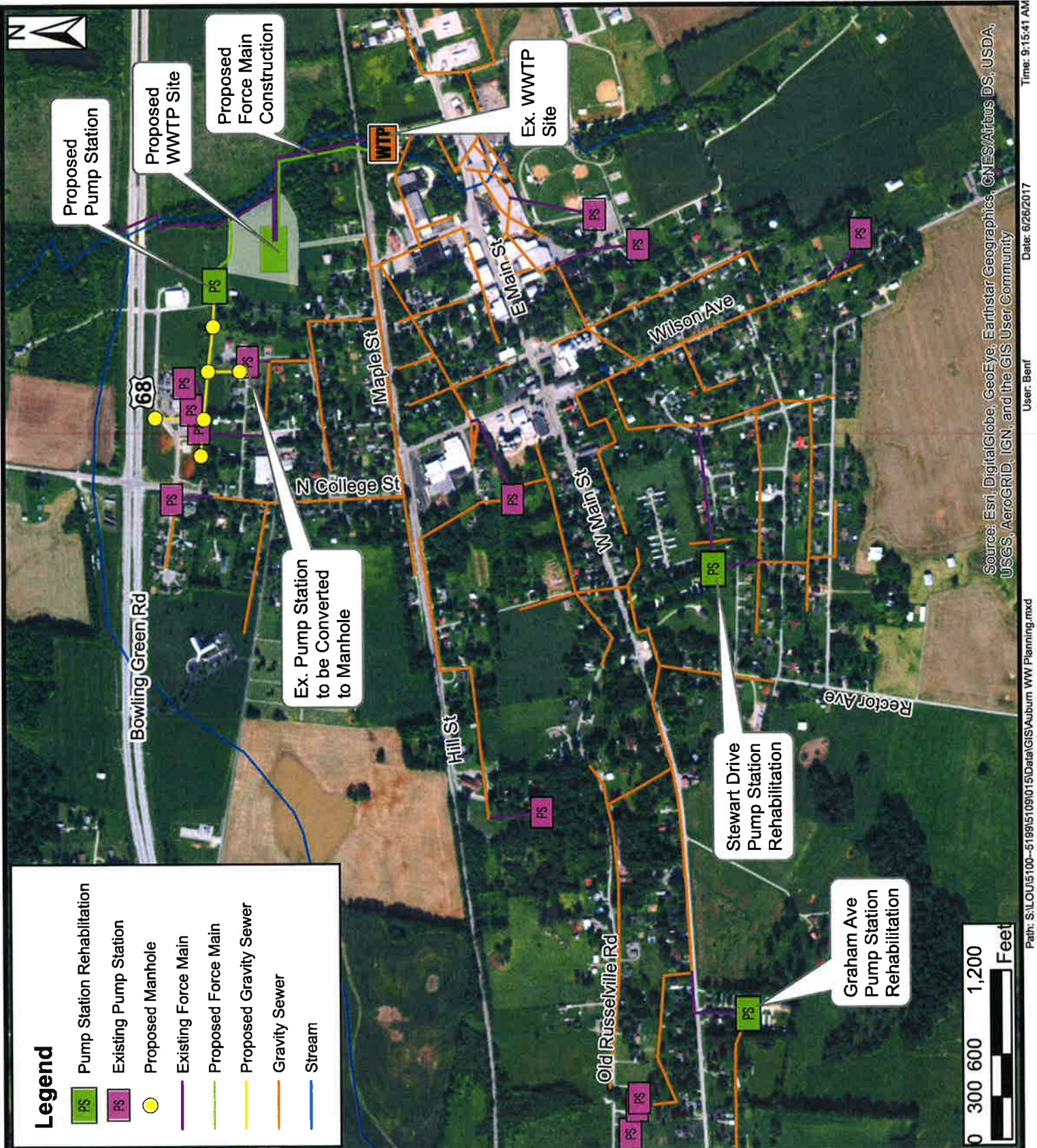
STRAND ASSOCIATES, INC.®

Mark A. Sneve, P.E.

Enclosure(s): Figure 1.03-1 – Auburn Wastewater Facilities Plan, Overview of Recommended Plan
Figure 1.03-2 – Auburn Wastewater Facilities Plan, Overview of New WWTP in the Recommended Plan

c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn

MAS:clj\\strand.com\projects\LOU\5100--5199\5109\015\Wrd\Letters to Agencies\USACE.docx.MB.docx

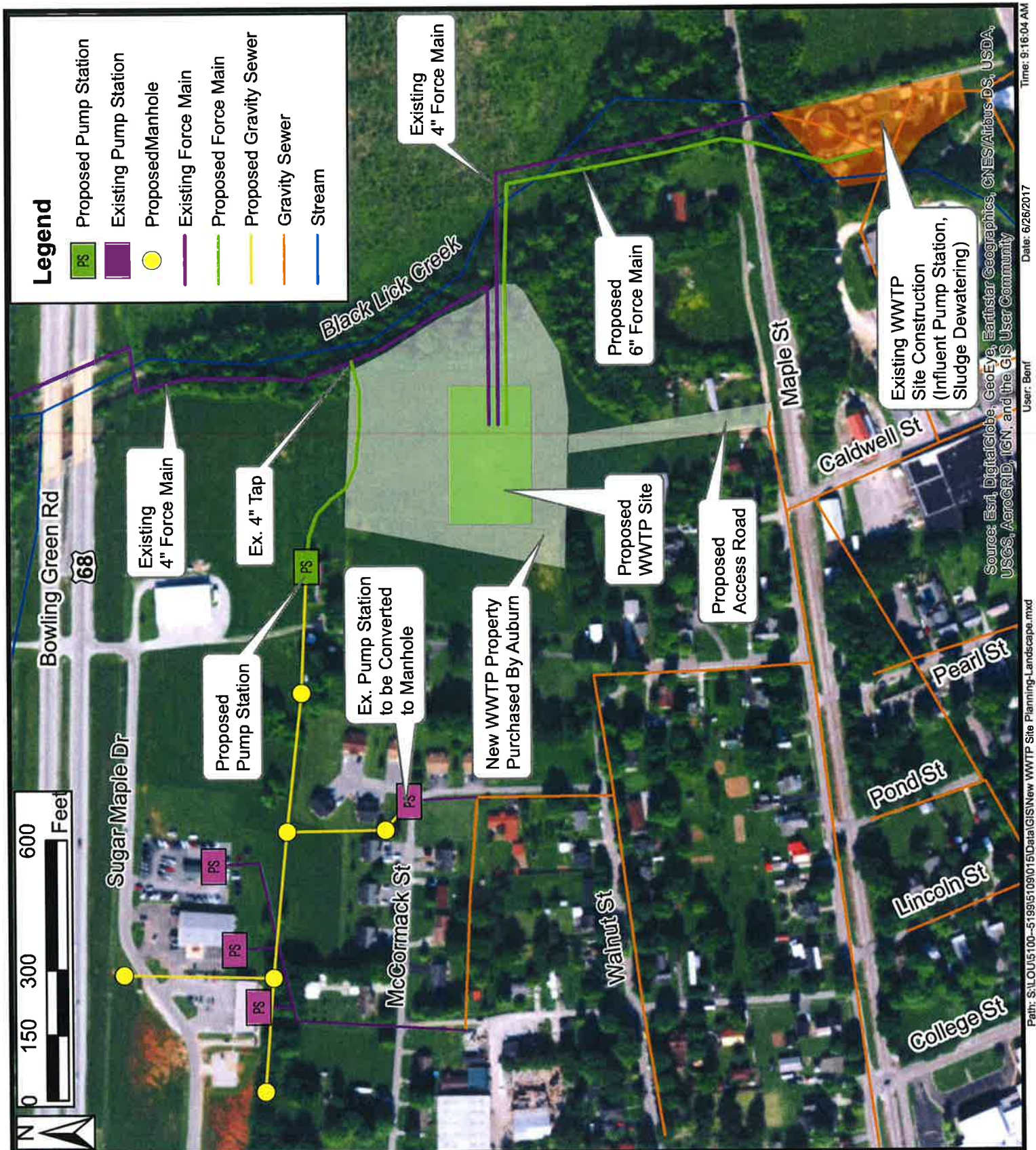


OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**



OVERVIEW OF NEW WWTP IN THE RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-2
5109.015**



Strand Associates, Inc.®
Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202
(P) 502-583-7020
(F) 502-583-7026

June 29, 2017

Ms. Tre Barron
United States Army Corps of Engineers
6855 State Road 66
Newburgh, IN 47630

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request

Dear Ms. Barron:

Strand Associates, Inc.® and McGhee Engineering, Inc. are assisting the City of Auburn with preparation of the Auburn Regional Wastewater Facility Plan. The plan recommends construction projects to update and expand the wastewater treatment plant, install new gravity sewer and a new pump station and replace two existing pump stations over the next 20-year time horizon. The recommended improvements are shown on Figures 1.03-1 and 1.03-2, attached to this letter.

The proposed Wastewater Treatment Plant (WWTP) improvements include a new headworks station, Carrousel oxidation ditches and final clarification, and peracetic acid disinfection. These modifications would allow the Auburn WWTP to expand its current average daily flow from 0.35 mgd to 0.4 mgd. The City plans to make improvements to the current WWTP as well. These improvements include a new solids handling system, conversion of the existing aeration basin into the equalization tank, and an influent pump station.

We are not aware of any impacts to wetlands as a result of the proposed projects. Most construction activities will occur on the existing wastewater treatment plant site, adjacent to existing infrastructure on previously disturbed lands, or on land adjacent to existing structures or the proposed WWTP location.

Please review the proposed projects and reply with any concerns over wetlands that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

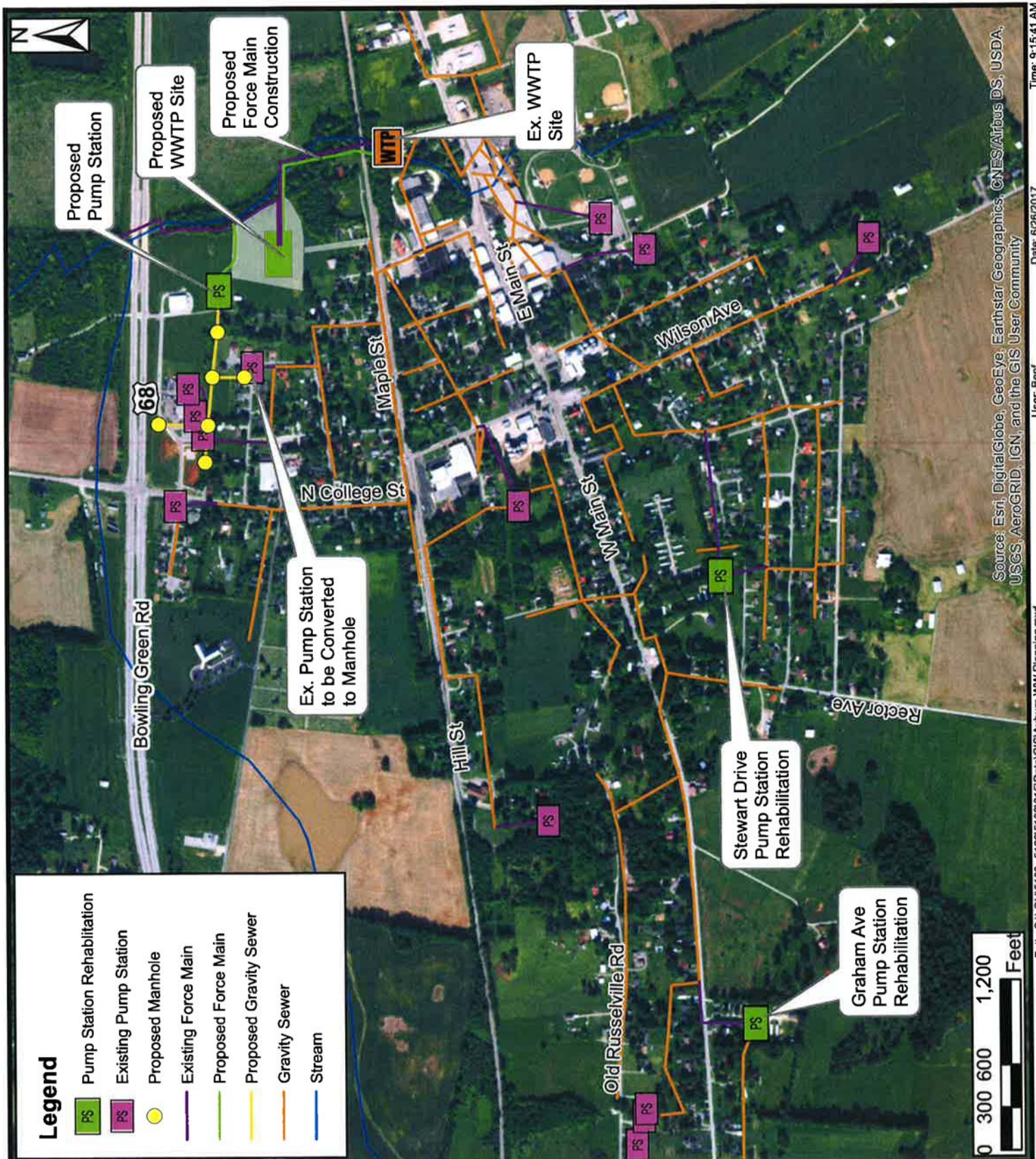
Sincerely,

STRAND ASSOCIATES, INC.®

Mark A. Sneve, P.E.

Enclosure(s): Figure 1.03-1 – Auburn Wastewater Facilities Plan, Overview of Recommended Plan
Figure 1.03-2 - Auburn Wastewater Facilities Plan, Overview of New WWTP in the Recommended Plan

c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn

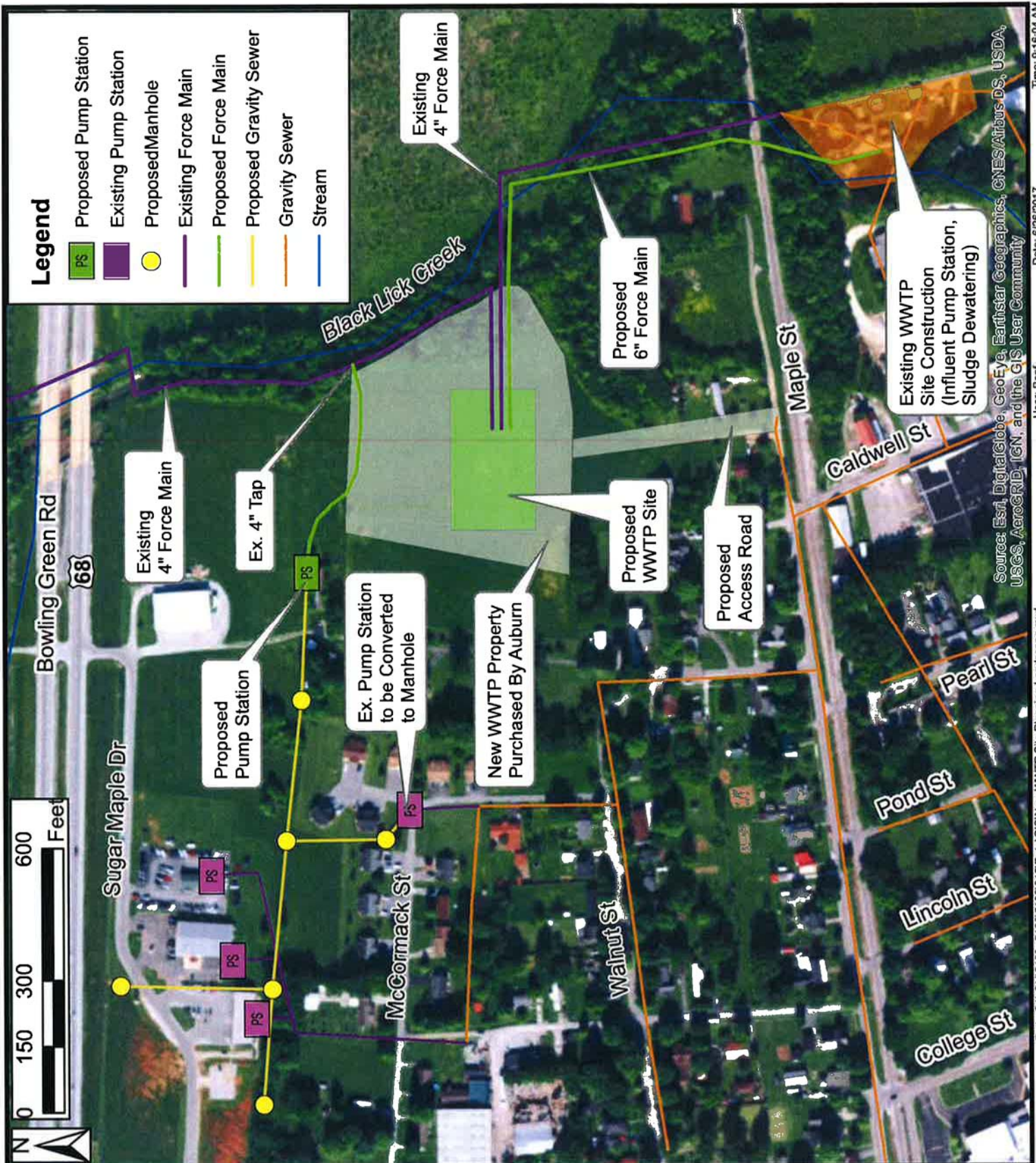


OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**



OVERVIEW OF NEW WWTP IN THE RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-2
5109.015**



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, LOUISVILLE
CORPS OF ENGINEERS
REGULATORY DIVISION, SOUTH BRANCH
6855 STATE ROAD 66
NEWBURGH, INDIANA 47630
July 7, 2017

Regulatory Division
South Branch
LRL-2017-627-tmb

Mr. Mark Sneve
Strand Associates
325 West Main Street, Suite 710
Louisville, KY 40202

Dear Mr. Sneve:

This is in response to your request dated June 29, 2017 for an environmental review on behalf of the City of Auburn, for the proposed wastewater facility improvements. The project is located across several locations within the City of Auburn, in Logan County, Kentucky.

In order for the Corps to review your project accurately, you must provide us with a full description of the project that includes all impacted "waters of the U.S." The Corps of Engineers exercises regulatory jurisdiction on "waters of the U.S." under the Clean Water Act (CWA). It is unlawful under Section 301 of this Act (33 USC 1311) to place dredged or fill material into "waters of the U.S.", to include wetlands and all streams below the ordinary high mark, without prior authorization. Normally, the authorization is in the form of a Department of the Army (DA) permit issued in accordance with the provisions of Section 404 of the CWA (33 USC 1344). Be advised that any construction of activities associated with this project that necessitates the discharge of dredged and/or fill material into jurisdictional waters, including wetlands, would require a Department of the Army (DA) authorization prior to commencing the activity.

It appears from the submitted information that what you are proposing may necessitate the discharge of dredged or fill material into "waters of the U.S.," which may include wetlands and/or stream crossings. Plans should be submitted and each impact should be clearly marked for our review.

If you have any questions, please contact this office by writing to the above address, ATTN: CELRL-RD-S, or by calling me at 812-853-9713.

JUL 10 2017

Any correspondence on this matter should refer to our ID Number LRL-2017-627-tmb.

Sincerely,

A handwritten signature in blue ink that reads "Tré M. Barron". The signature is fluid and cursive, with a large loop at the end of the last name.

Tré M. Barron
Environmental Protection Specialist
Regulatory Branch

enc

**U.S. ARMY CORPS OF ENGINEERS
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT**

33 CFR 325. The proponent agency is CECW-CO-R.

**Form Approved -
OMB No. 0710-0003
Expires: 30-SEPTEMBER-2015**

Public reporting for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please **DO NOT RETURN** your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO. LRL-2017-627	2. FIELD OFFICE CODE RD-S	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
---	-------------------------------------	------------------	------------------------------

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First - Middle - Last - Company - E-mail Address -		8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First - Middle - Last - Company - E-mail Address -	
6. APPLICANT'S ADDRESS: Address- City - State - Zip - Country -		9. AGENT'S ADDRESS: Address- City - State - Zip - Country -	
7. APPLICANT'S PHONE NOS. w/AREA CODE a. Residence b. Business c. Fax		10. AGENTS PHONE NOS. w/AREA CODE a. Residence b. Business c. Fax	

STATEMENT OF AUTHORIZATION

11. I hereby authorize, _____ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

SIGNATURE OF APPLICANT

DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)			
13. NAME OF WATERBODY, IF KNOWN (if applicable)		14. PROJECT STREET ADDRESS (if applicable) Address	
15. LOCATION OF PROJECT Latitude: °N Longitude: °W		City - State- Zip-	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Municipality Section - Township - Range -			

17. DIRECTIONS TO THE SITE

18. Nature of Activity (Description of project, include all features)

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type	Type	Type
Amount in Cubic Yards	Amount in Cubic Yards	Amount in Cubic Yards

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres
or

Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

24. Is Any Portion of the Work Already Complete? ☐ Yes ☐ No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address-

City -

State -

Zip -

b. Address-

City -

State -

Zip -

c. Address-

City -

State -

Zip -

d. Address-

City -

State -

Zip -

e. Address-

City -

State -

Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
--------	----------------	--------------------------	--------------	---------------	-------------

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF AGENT

DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

**Instructions for Preparing a
Department of the Army Permit Application**

Blocks 1 through 4. To be completed by Corps of Engineers.

Block 5. Applicant's Name. Enter the name and the E-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the application, please attach a sheet with the necessary information marked Block 5.

Block 6. Address of Applicant. Please provide the full address of the party or parties responsible for the application. If more space is needed, attach an extra sheet of paper marked Block 6.

Block 7. Applicant Telephone Number(s). Please provide the number where you can usually be reached during normal business hours.

Blocks 8 through 11. To be completed, if you choose to have an agent.

Block 8. Authorized Agent's Name and Title. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, or any other person or organization. Note: An agent is not required.

Blocks 9 and 10. Agent's Address and Telephone Number. Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

Block 11. Statement of Authorization. To be completed by applicant, if an agent is to be employed.

Block 12. Proposed Project Name or Title. Please provide name identifying the proposed project, e.g., Landmark Plaza, Burned Hills Subdivision, or Edsall Commercial Center.

Block 13. Name of Waterbody. Please provide the name of any stream, lake, marsh, or other waterway to be directly impacted by the activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14. Proposed Project Street Address. If the proposed project is located at a site having a street address (not a box number), please enter it here.

Block 15. Location of Proposed Project. Enter the latitude and longitude of where the proposed project is located. If more space is required, please attach a sheet with the necessary information marked Block 15.

Block 16. Other Location Descriptions. If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality that the site is located in.

Block 17. Directions to the Site. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide description of the proposed project location, such as lot numbers, tract numbers, or you may choose to locate the proposed project site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed project site if known

Block 18. Nature of Activity. Describe the overall activity or project. Give appropriate dimensions of structures such as wing walls, dikes (identify the materials to be used in construction, as well as the methods by which the work is to be done), or excavations (length, width, and height). Indicate whether discharge of dredged or fill material is involved. Also, identify any structure to be constructed on a fill, piles, or float-supported platforms.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 18.

Block 19. Proposed Project Purpose. Describe the purpose and need for the proposed project. What will it be used for and why? Also include a brief description of any related activities to be developed as the result of the proposed project. Give the approximate dates you plan to both begin and complete all work.

Block 20. Reasons for Discharge. If the activity involves the discharge of dredged and/or fill material into a wetland or other waterbody, including the temporary placement of material, explain the specific purpose of the placement of the material (such as erosion control).

Block 21. Types of Material Being Discharged and the Amount of Each Type in Cubic Yards. Describe the material to be discharged and amount of each material to be discharged within Corps jurisdiction. Please be sure this description will agree with your illustrations. Discharge material includes: rock, sand, clay, concrete, etc.

Block 22. Surface Areas of Wetlands or Other Waters Filled. Describe the area to be filled at each location. Specifically identify the surface areas, or part thereof, to be filled. Also include the means by which the discharge is to be done (backhoe, dragline, etc.). If dredged material is to be discharged on an upland site, identify the site and the steps to be taken (if necessary) to prevent runoff from the dredged material back into a waterbody. If more space is needed, attach an extra sheet of paper marked Block 22.

Block 23. Description of Avoidance, Minimization, and Compensation. Provide a brief explanation describing how impacts to waters of the United States are being avoided and minimized on the project site. Also provide a brief description of how impacts to waters of the United States will be compensated for, or a brief statement explaining why compensatory mitigation should not be required for those impacts.

Block 24. Is Any Portion of the Work Already Complete? Provide any background on any part of the proposed project already completed. Describe the area already developed, structures completed, any dredged or fill material already discharged, the type of material, volume in cubic yards, acres filled, if a wetland or other waterbody (in acres or square feet). If the work was done under an existing Corps permit, identify the authorization, if possible.

Block 25. Names and Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Project Site. List complete names and full mailing addresses of the adjacent property owners (public and private) lessees, etc., whose property adjoins the waterbody or aquatic site where the work is being proposed so that they may be notified of the proposed activity (usually by public notice). If more space is needed, attach an extra sheet of paper marked Block 24.

Information regarding adjacent landowners is usually available through the office of the tax assessor in the county or counties where the project is to be developed.

Block 26. Information about Approvals or Denials by Other Agencies. You may need the approval of other federal, state, or local agencies for your project. Identify any applications you have submitted and the status, if any (approved or denied) of each application. You need not have obtained all other permits before applying for a Corps permit.

Block 27. Signature of Applicant or Agent. The application must be signed by the owner or other authorized party (agent). This signature shall be an affirmation that the party applying for the permit possesses the requisite property rights to undertake the activity applied for (including compliance with special conditions, mitigation, etc.).

DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross-Section Map. Identify each illustration with a figure or attachment number.

Please submit one original, or good quality copy, of all drawings on 8½ x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations.

Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). **While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.**



Strand Associates, Inc.®

Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202
(P) 502-583-7020
(F) 502-583-7026

June 29, 2017

Ms. Karen Woodrich
Natural Resource Conservation Service
771 Corporate Drive, Suite 210
Lexington, KY 40503

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request

Dear Ms. Woodrich:

Strand Associates, Inc.® and McGhee Engineering, Inc. are assisting the City of Auburn with preparation of the Auburn Regional Wastewater Facility Plan. The plan recommends construction projects to update and expand the wastewater treatment plant, install new gravity sewer and a new pump station and replace two existing pump stations over the next 20-year time horizon. The recommended improvements are shown on Figures 1.03-1 and 1.03-2, attached to this letter.

The proposed Wastewater Treatment Plant (WWTP) improvements include a new headworks station, Carrousel oxidation ditches and final clarification, and peracetic acid disinfection. These modifications would allow the Auburn WWTP to expand its current average daily flow from 0.35 mgd to 0.4 mgd. The City plans to make improvements to the current WWTP as well. These improvements include a new solids handling system, conversion of the existing aeration basin into the equalization tank, and an influent pump station.

We are not aware of any agricultural resources that would be impacted by the proposed projects. Most construction activities will occur on the existing wastewater treatment plant site, adjacent to existing infrastructure on previously disturbed lands, or on land adjacent to existing structures or the proposed WWTP location.

Please review the proposed projects and reply with any concerns over agricultural resources that may be affected.

Should you have any questions concerning this matter, please call me at (502) 583-7020.

Sincerely,

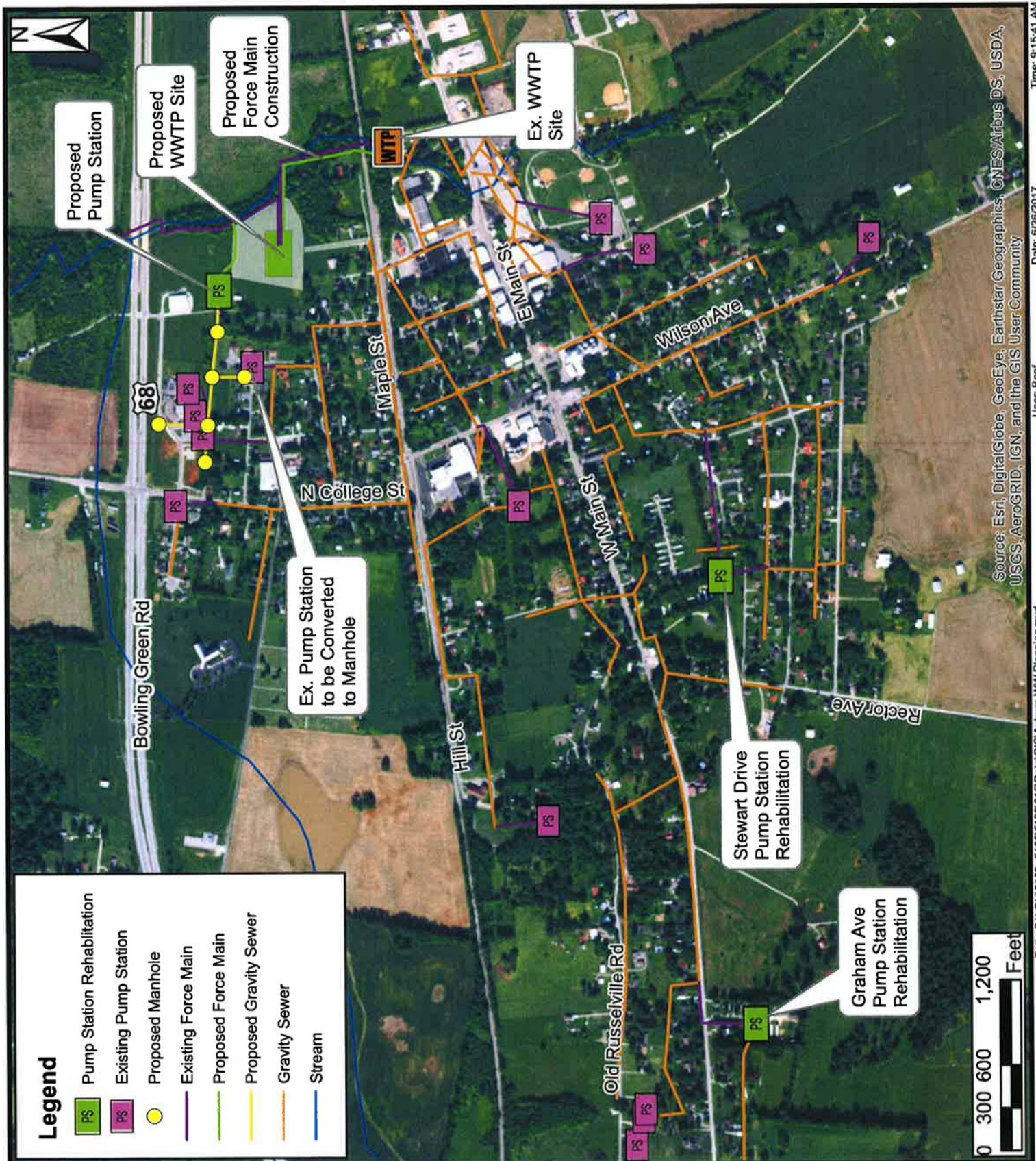
STRAND ASSOCIATES, INC.®

Mark A. Sneve, P.E.

Enclosure(s): Figure 1.03-1 – Auburn Wastewater Facilities Plan, Overview of Recommended Plan
Figure 1.03-2 - Auburn Wastewater Facilities Plan, Overview of New WWTP in the
Recommended Plan

c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn

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OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**



United States Department of Agriculture

To: Mark A. Sneve, P.E.
Strand Associates
Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202

July 26, 2017

Re: City of Auburn – Logan County, KY
Wastewater Facility Plan
Agency Comment Request

Mr. Sneve,

According to the information in your request all work is to be performed to existing facilities, within the City of Auburn, KY, or on property already owned by the Auburn WWTP. These areas are already considered as non-agricultural and not affecting new or additional prime farmlands or statewide important farmlands. This office does not have any additional concerns at this time.

If needed, additional information on the soils of Logan County, KY is available on-line through USDA's Web Soil Survey for Logan County, KY.

If this office may be of additional assistance, please do not hesitate to contact my office in Maysville Ky. or contact the local NRCS office at 270-726-6936.

Steve Jacobs
NRCS Area 3 Resource Soil Scientist, Maysville, KY.
steve.jacobs@ky.usda.gov

cc: Craig Givens, NRCS Soil Conservationist, Russellville, KY
David Gehring, NRCS Area 2 Resource Soil Scientist, Owensboro, KY

JUL 31 2017



Steve/Mark

Received 7-27-17

Strand Associates, Inc.®
Waterfront Plaza
325 West Main Street, Suite 710
Louisville, KY 40202
(P) 502-583-7020
(F) 502-583-7026

June 29, 2017

Ms. Karen Woodrich
Natural Resource Conservation Service
771 Corporate Drive, Suite 210
Lexington, KY 40503

Re: City of Auburn - Wastewater Facility Plan
Agency Comment Request *Logan Co.*

Dear Ms. Woodrich:

Strand Associates, Inc.® and McGhee Engineering, Inc. are assisting the City of Auburn with preparation of the Auburn Regional Wastewater Facility Plan. The plan recommends construction projects to update and expand the wastewater treatment plant, install new gravity sewer and a new pump station and replace two existing pump stations over the next 20-year time horizon. The recommended improvements are shown on Figures 1.03-1 and 1.03-2, attached to this letter.

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Sincerely,

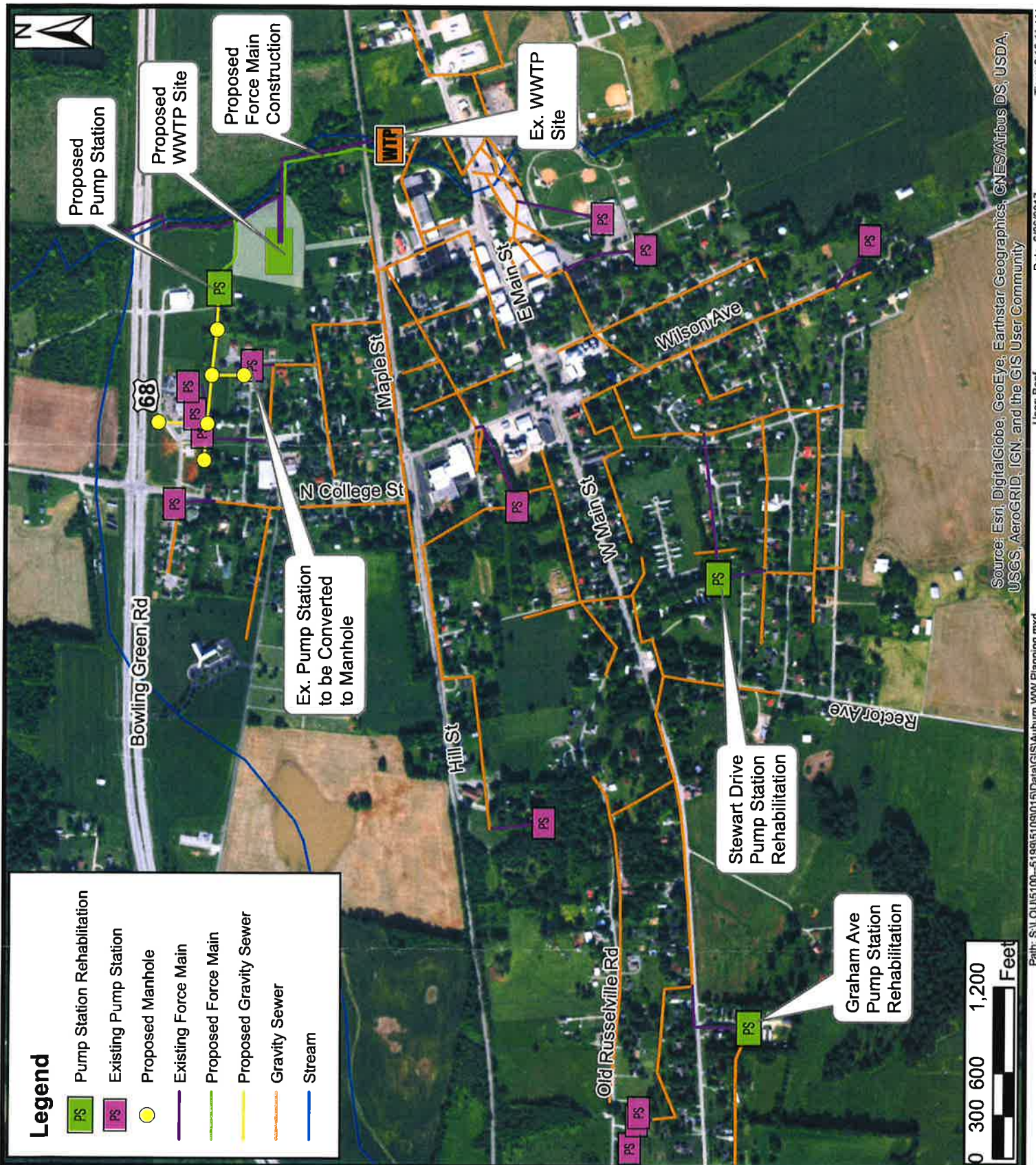
STRAND ASSOCIATES, INC.®

Mark A. Sneve, P.E.

Enclosure(s): Figure 1.03-1 – Auburn Wastewater Facilities Plan, Overview of Recommended Plan
Figure 1.03-2 - Auburn Wastewater Facilities Plan, Overview of New WWTP in the Recommended Plan

c: Michael McGhee, P.E., McGhee Engineering
Mayor Mike Hughes, City of Auburn



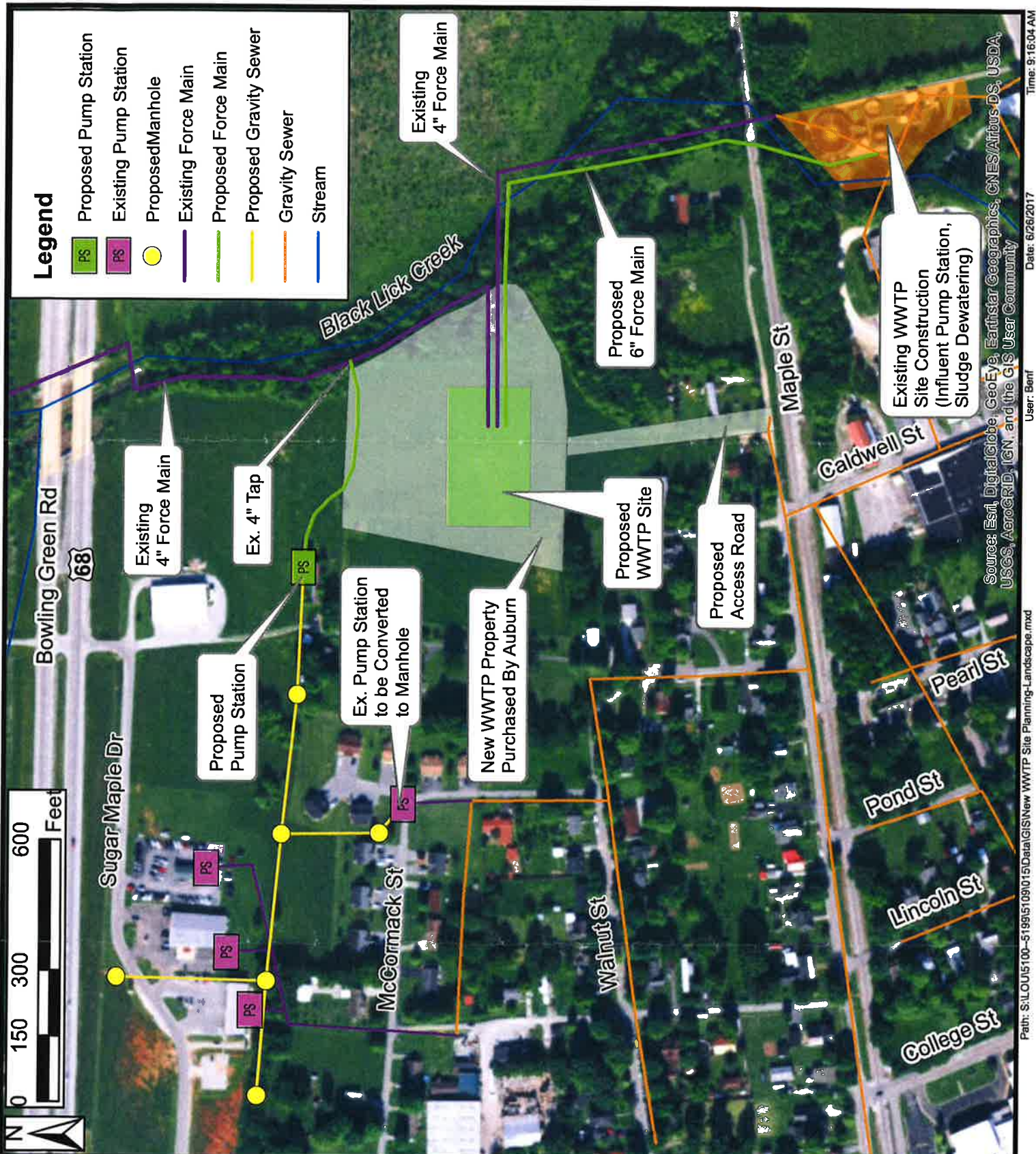


OVERVIEW OF RECOMMENDED PLAN

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-1
5109.015**



**OVERVIEW OF NEW WWTP
IN THE RECOMMENDED PLAN**

**AUBURN WWTP FACILITIES PLAN
CITY OF AUBURN
AUBURN, KY**



**FIGURE 1.03-2
5109.015**

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Path: S:\LOU15100-5199151091015Data\GISNew WWTP Site Planning-Landscape.mxd

User: Bent

Date: 6/26/2017

Time: 9:16:04 AM